



5TH CATEGORY - HISTORIC RACING

**GROUP Nc**

APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with a Historic Log Book, cars need to comply with these specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current CAMS Manual of Motor Sport.

**Make of Car:** Morris  
**Period of Original Manufacture:** 1971 – 1973  
**CAMS Historic Group:** Nc  
**Date of issue of this document:** September 2015

**Model:** Mini Clubman GT



Refer to CAMS Manual of Motor Sport, Vehicle Eligibility, Historic Touring Cars, General Requirements & Nc Regulations for permitted modifications.

## **SECTION 1 - CHASSIS**

### **1.1 CHASSIS FRAME**

**Description:** Uni-body two door sedan  
**Period of Manufacture:** September 1972 to EOP  
**Manufacturer:** Leyland Motor Corporation of Australia Ltd  
**Chassis no. from:** YG2S8  
**Chassis no. location:** Various  
**Material:** Steel

### **1.2 FRONT SUSPENSION**

**Description:** Independent – Upper Link and Lower Wishbone  
**Spring Medium:** Hydrolastic  
**Damper Type:** None  
**Anti-sway bar:** None  
**Suspension adjustable:** Threaded castor bars permitted.

### **1.3 REAR SUSPENSION**

**Description:** Trailing Link  
**Spring medium:** Hydrolastic  
**Damper type:** None  
**Anti-sway bar:** None  
**Suspension adjustable:** Adjustable camber brackets and slotted pivot hole permitted

### **1.4 STEERING**

**Type:** Rack and Pinion **Make:** Leyland

### **1.5 BRAKES**

	<b>Front</b>	<b>Rear</b>
<b>Type:</b>	Disc	Drum
<b>Dimensions:</b>	190.5 x 9.4 mm	178 x 32 mm
<b>Material:</b>	Cast iron	Aluminium & cast iron
<b>No. cylinders/pots per wheel:</b>	Two	One
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper Make:</b>	Lockheed	
<b>Caliper Type:</b>		
<b>Caliper Material:</b>	Cast iron	
<b>Master cylinder make:</b>	Various	<b>Type:</b> Tandem
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes PBR VH44	

## **SECTION 2 - ENGINE**

### **2.1 ENGINE**

**Make:** Leyland  
**Model:** "A" Series  
**No. cylinders:** Four **Configuration:** Inline  
**Cylinder block material:** Cast iron **Two/Four Stroke:** Four  
**Bore - Original:** 70.612 mm **Max. allowed:** 72.112 mm  
**Stroke - original:** 81.28 mm  
**Capacity - original:** 1273 cc **Max. allowed:** 1328 cc  
**Cooling method:** Liquid  
**Identifying marks:** Eng. serial number 1200, 1206 or 1208

## 2.2 CYLINDER HEAD

**Make:** Leyland  
**No. of valves/cylinder:** Two      **Inlet:** One      **Exhaust:** One  
**No. of ports total:** Five      **Inlet:** Two      **Exhaust:** Three  
**No. of camshafts:** One      **Location:** Block      **Drive:** Chain  
**Valve actuation:** Pushrod & rocker  
**Spark plugs/cylinder:** One

## 2.3 LUBRICATION

**Method:** Wet Sump      **Oil cooler standard:** Yes

## 2.4 IGNITION SYSTEM

**Type:** Points, coil & distributor      **Make:** Lucas

## 2.5 FUEL SYSTEM

**Carburettor Make:** SU      **Model:** HS2 or HS4  
**Carburettor number:** Two

# SECTION 3 - TRANSMISSION

## 3.1 CLUTCH

**Make:** Free      **Type:** Diaphragm  
**Diameter:** 180.84 mm      **No. of Plates:** One  
**Actuation:** Hydraulic

## 3.2 TRANSMISSION

**Type:** Synchromesh      **Make:** Leyland  
**No. forward speeds:** Four      **Gearbox location:** In engine sump  
**Gear change type and location:** Remote, floor  
**Case material:** Aluminium alloy  
**Comments:** None Synchromesh internals allowed (dog box)

## 3.3 FINAL DRIVE

**Type:** Sprung unit  
**Make:** Leyland      **Model:** Mini  
**Wheel drive method:** Front  
**Ratios:** Various  
**Differential type:** Open / free

## 3.4 TRANSMISSION SHAFTS (EXPOSED)

**Number:** Two  
**Description:** Half shaft with H/S or Dunlop Universal Joints and C/V Joints

## 3.5 WHEELS & TYRES

<b>Wheel type - Original:</b>	Disc	<b>Material - Original:</b>	Steel
<b>Allowed:</b>	Period copy	<b>Allowed:</b>	Alloy or steel
<b>Fixture method:</b>	Studs	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width:</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	4.5 x 10 inch		4.5 x 10 inch
<b>Allowed:</b>	6 x 10 inch		6 x 10 inch
<b>Tyres original:</b>	145 x 10		145 x 10
<b>Tyres allowed:</b>	60% minimum aspect ratio, refer approved tyre list.		

## **SECTION 4 - GENERAL**

### **4.1 FUEL SYSTEM**

<b>Tank Location:</b>	Boot	<b>Capacity:</b>	50 litre
<b>Fuel pump type and location:</b>	Electric, sub frame	<b>Make:</b>	Various/free

### **4.2 ELECTRICAL SYSTEM**

<b>Voltage:</b>	12	<b>Alternator:</b>	Fitted
<b>Battery Location:</b>	Boot		

### **4.3 BODYWORK**

<b>Type:</b>	2 Door saloon	<b>Material:</b>	Steel
<b>No. of seats:</b>	Four	<b>No. doors:</b>	Two

#### **Comments:**

Any Clubman/Leyland Australian body permitted with wind up windows.  
Speedo aperture opening modifications.

The firewall may be modified to allow for the insertion of a carburettor box. The box to be adequate sealed. The dimensions of the aperture shall not exceed 175 mm high and 215 mm wide.

The instrument binnacle may be moved to accommodate the carburettor box. Not to protrude beyond a line between the front face of the parcel shelf and window surround base.

### **4.4 DIMENSIONS**

<b>Track - Front:</b>	1250 mm	<b>Rear:</b>	1210.5 mm
<b>Wheelbase:</b>	2032 mm	<b>Overall length:</b>	3181 mm
<b>Dry weight:</b>	711 kg		

### **4.5 SAFETY EQUIPMENT**

*Refer applicable Group Regulations*